Exhibit A

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IDEA DE	SCLOSURE FOR	
Title of the invention: Golf Ball Composition	OF TOTAL	UM
Inventor(s): Hym J Kim and Hong Joon		Idea #: B03-09 /o
Directions: Complete this form by providing a decision the additional sheet if you need more space. A drawings, test results, etc. Do not forget to sign and them both signed and dated by a witness who under the Concept. L. Concept.	asterics the emplect manes	is any stinched materials, and have
Various types of unsaturated polymeric materials, s with utilization of those mechanical properties deveraging or irradiation. One representative example is polybutadiene with sulfur compounds, or peroxides or ZDMA. Depends on the design of a golf ball, compensation. However, it is always preferred for a compression. Because that is directly related to ball loading levels of sulfur compounds, peroxides, or me However, it is difficult to decrease core compression of adjustments in C.O.R vs. core compression can activator, crosslinking agent, co-crosslinking agent. It is the purpose of this invention to adjust rigidity of effect in it's clastic behavior.	together with ZnO and not compression can be adjusted to have a highest possible distance. It is general salt of acrylates increasing adverse thieved through outinized.	btained mainly from crosslinked tetal salt of scrylate, such as ZDA usted to get a desired ball sible C.O.R. regardless of core rally known that increasing cases core compression and C.O.R. ceffect on C.O.R. A limited range
In rubber industry, chemical plasticizers have been us of rubber under the influence of mechanical force, her plasticizers, or peptizers, permits improved incorporate hubrication for easier processing, lower power consumments that peptizer has been used in rubber industry a improve mechanical properties after cure. Through rubber compounding trials and core molding decrease the rigidity (can be expressed as hardness, Y core compression, etc.) of a material without bringing expressed as Bayshore Rebound, tan \(\delta\), or C.O.R.), and with a composition comprising peptizer and polymer with a composition comprising peptizer and polymer to	sed during rabber comporat, or combination of those tion of chemical ingredie uption for mixing and low as just a processing aid, not at TMaG, it has been for oung's modulus, dynamical an adverse effect in it's	unding to accelerate the softening so. The addition of chemical sits and fillers, and provides ver processing temperatures. It of a key component to alter or small that peptizer can be used to a modulus, flexural modulus.
Name Name Dear Syste Name Name Name Name Name	the use of Taylor Made	to Lab Book # Page No. Soit: This information is intended for Golf Company. It contains
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Additional Sheet:		•
Title: Golf Ball Comp	osition	Idea # B03-09-10
a) golf ball with a composition for c) cover composition for d) composition of at less e) golf ball composition initiator, activator, crossly polymer, anti-oxidant, U processing aids. f) The golf ball composition incorposation of wound is g) The golf ball composition incorposation of wound is g) The golf ball composition incorposation of wound is g) The golf ball composition incorposation of wound is g) The golf ball composition incorposation of wound is g) The golf ball composition incorposation of fatty acids, of molecular weight polyethy Vanplast PL from R. T. Vanplast PL from R. T. Vanpentachlorothiophenol (En Co.), 4-t-butyl-o-thiocresol V from Naftone, RPA 6 from R. L. Du Pont), Xylene thiol	osition comprising peptizer a golf ball comprises peptizer a golf ball comprises peptizer at one intermediate layer comin (a), (b), (c), and (d) further in (a), (c), (d) further in (a), (d) further in (a), (d) further in (a), (d), (d), (d), (d), (d), (d), (d), (d	and polymer with unsaturation. It apprises peptizer and polymer with unsaturation. It comprises a component selected from a list consisting agent, accelerator, lonomeric polymer, non-ionomeric fillers, organic or inorganic fibers, colorant, and it ball, 3 pc ball, or multilayered golf ball with or without the having more than two core layers. It weight sulfonic acids, paraffin mulls of fatty acids, lower things and the paraffinic off (Vanplast For high molecular weight in a par
Examples of polymeric material having unsaturated structure, which can participation, or combination of Non-limited but some examples of the polychloropreps, p	with ansaturation brids for use within the scop hydrocarbon, unsaturated no pate in a crosslinking reaction f those. ples of those are: olybutadiene, trans-1,4-poly-	be of the present invention comprise any polymeric on hydrocarbon, or mixture of those in the polymer in by thermal initiation, chemical initiation, inadiation but addene, cis-polyisoprene, trans-polyisoprene, ber, styrene-but diene-styrene block copolymer, allicone rubber, millable polymethane, and mixture of
Name Hyun J Kim	•	Hong Jeon
Signature		Dete
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Title: Golf Ball Composition

Idea # B03-09 10

ILA. Examples of Crossinking Agent Sulfur compounds, peroxides, or mixture of those can be used as chemical crosslinking agent. Non-limited but examples of suitable crosslinking agents for use within the scope of the present invention comprise aliphatic peroxides, aromatic peroxides, or mixtures of these. Primary, secondary, or tertiary. such as tert, butylperbenzoste and tert. Butylcumylperoxide. Additionally, peroxides having carboxy groups also can be used. Decomposition of peroxides used in compositions within the scope of the present invention can be brought by applying thermal energy, ahear, reactions with other chemical ingredients, or a combination of these. Homolytically decomposed peroxide, heterolytically decomposed peroxide, or a mixture of those can be used to promote crosslinking reactions with compositions within the scope of this invention. Examples of suitable peroxide compounds for use in compositions within the scope of the present invention include alighetic peroxides or atometic peroxides, such as discety/peroxide, di-text-buty/peroxide, dibenzoy/peroxide, dicumyiperoxide, 2,5-bis-(t-butyiperoxy)-2,5-dimethyl hexane, 2,5-dimethyl-2,5-di(benzoylperoxy)hexane, 2,5-dimethyl-2,5-di(butylperoxy)-3-hexyne, n-butyl-4,4-bis(t-butylperoxyl) valerate, 1,4-bis-(t-butylperoxyisopropyl)-benzene, t-butyl peroxybenzoste, 1,1-bis(t-butylperoxy)-3,3,5 tcimethylcyclohexane, and di(2,4-dichloro-benzoyl). III, Summary of Data

CBIO **CB22 CB25** BR40 Z10 SK416 SR638 ZEPCIP Vaxox 400

400			69	14	7-72		231701		PARAL
			69	14	126		4	.819	191-
400			69	140	126	4.8	4	.816	57
400			69			4.8	4	.813	63
400			69	140		6	4	.811	46
400			69	140			4	.816	83
	400			140		4.8	14	.811	59 ·
	400	-	69	14	126		4	.813	92
		400	69	14	126	4,8	4	.799	35
		400	69	14	126		4	.807	76
		400	69	14	126	4.8	4	-814	58

4 different grade of rubbers were used for the test with 2 varietions in ZDA mixture ratio. For each rubber, comparisons on C.O.R and P.G.A compression were made, with and without adding 4.8 pph ZhPCTP. Overall, adding ZaPCTP greatly decreased core compression with a small decrease in C.O.R. For CB10, the decrease of P.C.A compression was in the range of 26 - 45 with changes in C.O.R in the range of .003 - .008. For CB22, addition of ZuPCIP decreased P.G.A compression by 24 units, while C.O.R. was decreased by 0.005. For CB25, P.G.A compression was decreased by 57 units, while C.O.R. was changed from 0.813 to 0.799. This suggests that core compositions previously used to make a core having high C.O.R but with a high compression now can be used to make a cone still having a high C.O.R but with a much lower core compression. This finding provides a large flexibility in developing a core composition without experiencing those limitations coming from the conventional skills and knowledge on core compression vs. C.O.R.

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